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## AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

## **LISTING OF CLAIMS:**

Claim 1 (canceled).

Claim 2 (currently amended): The device according to claim 1, wherein A surface acoustic wave device using second leaky surface acoustic waves having a dominant component which is a longitudinal wave component, the device comprising:

a LiTaO3 substrate; and

a conductive film disposed on the LiTaO<sub>3</sub> substrate; wherein the density ρ of the conductive film is in the range of about 2,699 kg/m³ to about 19,300 kg/m³; and

the normalized thickness H/ $\lambda$  of the conductive film is within the range of about 5.3023 ×p<sup>-0.4172</sup> to about 80161×p<sup>-1.781</sup> wherein  $\lambda$  represents the wavelength of the second leaky surface acoustic waves and H represents the thickness of the conductive film.

Claim 3 (currently amended): The device according to claim 42, wherein the Euler angle of the LiTaO3 substrate is in regions B1 to B4 shown in Figs. 8 to 11.

Claim 4 (currently amended): The device according to claim 42, wherein the conductive film comprises at least one of copper and silver.

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Claim 5 (original): A surface acoustic wave device using second leaky surface acoustic waves the dominant component of which is a longitudinal wave component, the device comprising:

a LiTaO<sub>3</sub> substrate having an Euler angle within regions A1 to A10 defined by connecting the coordinates shown in Tables 1 and 2; and a conductive film disposed on the LiTaO<sub>3</sub> substrate,

wherein the density  $\rho$  of the conductive film is greater than about 2,699 kg/m³ and the normalized thickness H/ $\lambda$  of the conductive film is within the range of about 5.3023 ×  $\rho^{-0.4172}$  to about 80161 ×  $\rho^{-1.781}$  wherein  $\lambda$  represents the wavelength of the second leaky surface acoustic waves and H represents the thickness of the conductive film:

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| Region     | Coordinates | θ     | ψ       |
|------------|-------------|-------|---------|
| A1         | P1          | 16.2  | 63.7    |
|            | P2          | 69.9  | 63.7    |
|            | P3          | 69.9  | 116.3   |
|            | P4          | 16.2  | 116.3   |
|            | P5          | 16.2  | 63.7    |
| A2         | P1          | 106.2 | 118.7   |
|            | P2          | 143.6 | 118.7   |
|            | P3          | 143.6 | 151.4   |
|            | P4          | 106.2 | . 151.4 |
|            | P5          | 106.2 | 118.7   |
|            | P1          | 106.2 | 28.6    |
| А3         | P2          | 143.6 | 28.6    |
|            | P3          | 143.6 | 61.3    |
|            | P4          | 106.2 | 61.3    |
|            | P5          | 106.2 | 28.6    |
| A4         | P1          | 16.5  | 55.9    |
|            | P2          | 72.3  | 55.9    |
|            | P3          | 72.3  | 108.0   |
|            | P4          | 16.5  | 108.0   |
|            | P5          | 16.5  | 55.9    |
| <b>A</b> 5 | P1          | 106.2 | 131.3   |
|            | P2          | 124.0 | 131.3   |
|            | P3          | 124.0 | 148.0   |
|            | P4          | 106.2 | 148.0   |
|            | P5          | 106.2 | 131.3   |

Table 1

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| Region     | Coordinates | θ     | ψ    |
|------------|-------------|-------|------|
| A6         | P1          | 106.3 | 30.8 |
|            | P2          | 153.1 | 30.8 |
|            | P3          | 153.1 | 71.7 |
|            | P4          | 106.3 | 71.7 |
|            | P5          | 106.3 | 30.8 |
| А7         | P1          | 17.4  | 48.5 |
|            | P2          | 76.8  | 48.5 |
|            | P3          | 76.8  | 99.4 |
|            | P4          | 17.4  | 99.4 |
|            | P5          | 17.4  | 48.5 |
|            | P1          | 104.6 | 35.6 |
| A8         | P2          | 158.0 | 35.6 |
|            | P3          | 158.0 | 81.3 |
|            | P4          | 104.6 | 81.3 |
|            | P5          | 104.6 | 35.6 |
| <b>A</b> 9 | P1          | 19.1  | 41.7 |
|            | P2          | 78.3  | 41.7 |
|            | P3          | 78.3  | 90.4 |
|            | P4          | 19.1  | 90.4 |
|            | P5          | 19.1  | 41.7 |
| A10        | P1          | 101.7 | 41.7 |
|            | P2          | 161.0 | 41.7 |
|            | P3          | 161.0 | 90.4 |
|            | P4          | 101.7 | 90.4 |
|            | P5          | 101.7 | 41.7 |

Table 2.

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Claim 6 (original): The device according to claim 5, wherein the conductive film comprises at least one of copper, silver, and gold.

Claim 7 (currently amended): A surface acoustic wave device according to claim 42, wherein the conductive film defines at least one of an interdigital transducer and a grating reflector.